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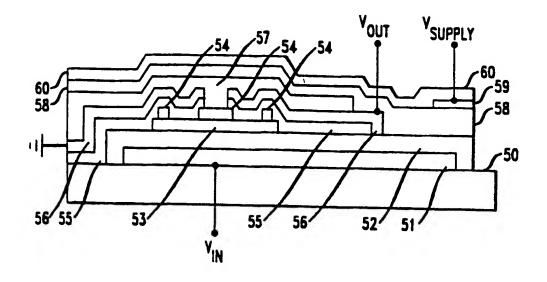
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- (54) Circuit comprising complementary thin film transistors
- (57) In preferred embodiments of the invention, the n-channel inorganic TFTs have an amorphous Si active layer (53), and the p-channel organic TFTs have α -hexathienylene (α 6T) active layer (58). Complementary

inverters according to the invention are disclosed, as is an exemplary processing sequence that can be used to manufacture integrated complementary inverters and other complementary circuits according to the invention.

FIG. 9





EUROPEAN SEARCH REPORT

Application Number EP 97 30 0063

ategory	Citation of document with ind of relevant passag		Relevant to claim	CLASSIFICATION (OF THE
Р,Х	DODABALAPUR A ET AL: "Hybrid organic/inorganic complementary circuits" APPLIED PHYSICS LETTERS, 15 APRIL 1996, AIP, USA, vol. 68, no. 16, ISSN 0003-6951, pages 2246-2248, XP002055715 * the whole document *		1,2,4-6	H01L51/20 H01L51/30 H01L27/12	
Ε	us 5 612 228 A (SHIE + column 2, line 3 - claims 1-18; figures	column 2, line 30;	1,2,4-6		
A	PATENT ABSTRACTS OF JAPAN vol. 014, no. 016 (E-872), 12 January 1989 & JP 01 259563 A (MITSUBISHI ELECTRIC CORP), 17 October 1989, * abstract *				
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	The executionary record has	need drawn up for all claims	-		
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